

California Department of Transportation

Storm Water Management Program Regional Work Plan 2005/2006



District 8

SANTA ANA

Region 8

Water Quality Control Board

CTSW-RT-05-132-16.1

April 1, 2005



**CALIFORNIA DEPARTMENT
OF TRANSPORTATION
DISTRICT 8**


**Certification
Regional Work Plan 2005/2006**

**California Regional Water
Quality Control Board
Santa Ana Region**

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is true, accurate, and complete to the best of my knowledge and belief. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment of knowing violations. [40 CFR 122.22(d)]



Anne Mayer, District Director



Date

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1.0 INTRODUCTION

The purpose of the Regional Work Plan (RWP) is to describe how the Department will specifically implement the Statewide Storm Water Management Program (SWMP) within the jurisdiction of each Regional Water Quality Control Board (RWQCB) during Fiscal Year 2005/2006 as required by the *Caltrans Statewide Storm Water NPDES Permit – Order No. 99-06-DWQ* (Permit). Implementation activities will be conducted in accordance with the procedures presented in the SWMP. The RWP indicates how District Storm Water management practices will be modified to improve water quality protection based on evaluation of the previous studies and management activities.

The RWP provides region-specific information on District 8 facilities, water bodies, and Best Management Practices (BMPs), and monitoring programs according to the following sections:

- Section 1 – Introduction;
- Section 2 – Personnel and Responsibilities;
- Section 3 – District Facilities and Water Bodies;
- Section 4 – High Risk Areas; and
- Section 5 – Implementation Activities.

2.0 DEPARTMENT PERSONNEL AND RESPONSIBILITIES

Portions of the Department District 8 fall within the jurisdiction of the Santa Ana RWQCB (coverage area). Organization charts for District 8 are included in Figures 2-1. Staff responsible for implementing the SWMP within the Santa Ana RWQCB jurisdiction is listed in Table 2-1.

TABLE 2-1: THE DEPARTMENT STORM WATER PERSONNEL AND RESPONSIBILITIES

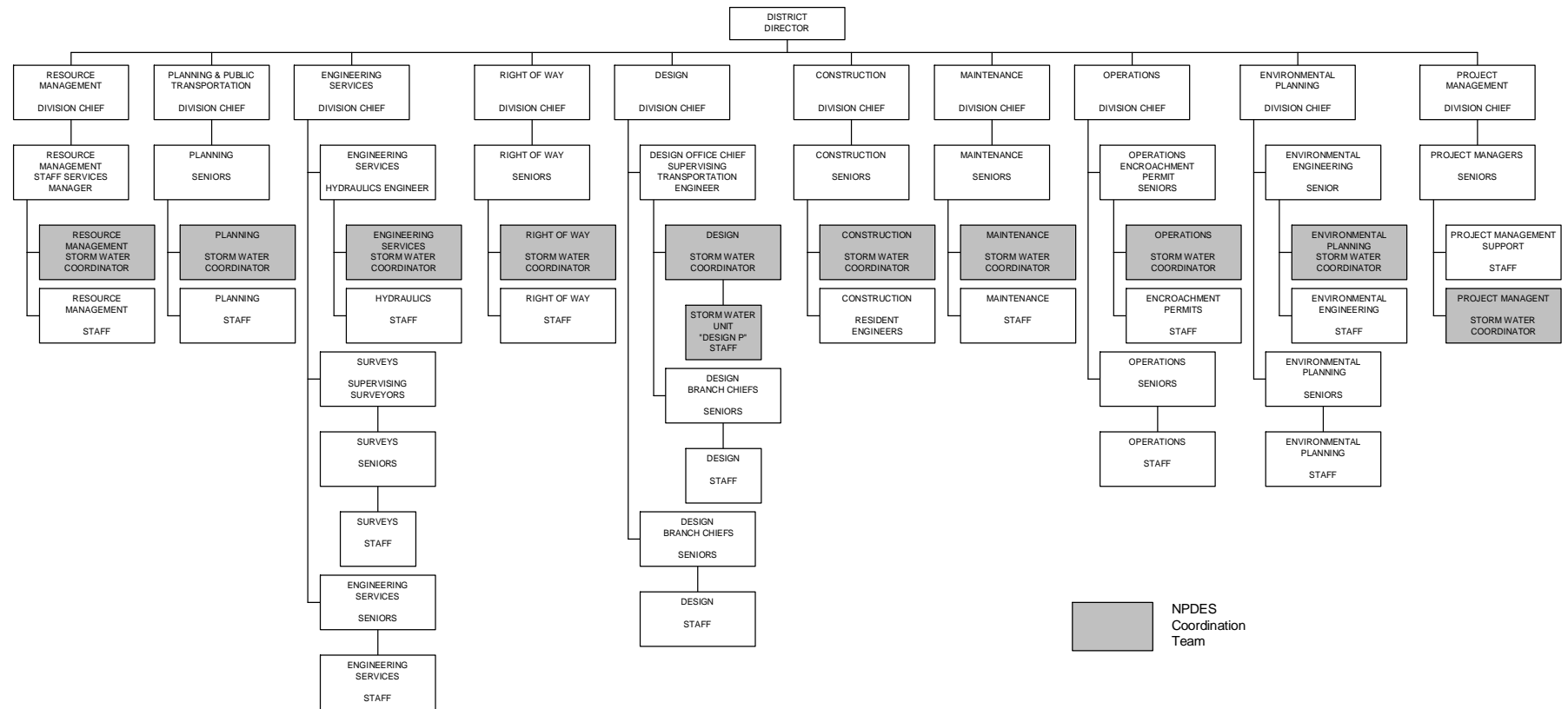
Staff	Title	Phone Number	E-Mail Address	Responsibilities
Paul Lambert	NPDES Storm Water Coordinator, Design Storm Water Coordinator	(909) 383-4948	Paul_Lambert@dot.ca.gov	Primary contact for all storm water issues. Oversees all NPDES office employees within the Districts.
Walt Griffith	Construction Storm Water Coordinator	(909) 514-2402	Walt_Griffith@dot.ca.gov	Conducts inspections to assist the RE in ensuring that storm water controls are implemented on construction sites and to assist the RE s in reviewing SWPPPs/WPCPs
Jim Dodd	Maintenance Storm Water Coordinator	(909) 383-4703	Jim_Dodd@dot.ca.gov	Implementation of the policies, procedures, personnel and equipment of the District SWMP
Roy King	Engineering Services Storm Water Coordinator	(909) 383-6478	Roy_king @dot.ca.gov	Primary contact for Hydraulic-related storm water issues.
Mohammad Mollazadeh	Project Management Storm Water Coordinator	(909) 383-6230	Mohammad Mollazadeh@dot.ca.gov	Primary contact for Project Management-related storm water issues.
Melvin Mendez	Operations Storm Water Coordinator	(909)383-7975	Melvin_Mendez@dot.ca.gov	Primary contact for Operations-related storm water issues.
Michael Yarbrough	Right of Way Storm Water Coordinator	(909) 383-4581	Michael_Yarbrough@dot.ca.gov	Primary contact for Right of Way-related storm water issues.
Rosanna Roa	Environmental Planning Storm Water Coordinator	(909) 383-5917	Rosanna_Roa@dot.ca.gov	Primary contact for Environmental Planning-related storm water issues.
Hortensia Irigoyen	Planning Storm Water Coordinator	(909) 383-6391	Hortensia_Irigoyen @dot.ca.gov	Primary contact for Transportation Planning-related storm water issues.
Ivy Estrada	Resource Management Storm Water Coordinator	(909)383-7969	Ivy_estrada@dot.ca.gov	Primary contact for Resource Management-related storm water issues.

In compliance with Permit Section M.10.b, the following positions listed in Table 2-2 are authorized to sign the documents, reports and other information submitted by the District to either the SWRCB or the RWQCB(s).

TABLE 2-2: SIGNATORY AUTHORITY FOR KEY DOCUMENTS

Positions	Documents Authorized for Signature
District Director	All
District NPDES Storm Water Coordinator	All District Storm Water related documents except Annual Report Certification
Design Senior Engineer	NOC
Construction Senior or Resident Engineer	SWPPP approval, NOCC, NOC
Maintenance Senior	Maintenance activity reports
Maintenance Superintendent	Maintenance activity reports

FIGURE 2-1: ORGANIZATIONAL CHART



SECTION FOUR

Regional Work Plans

3.0 DISTRICT FACILITIES AND WATER BODIES

This section identifies Department facilities and water bodies within each District and Regional Board jurisdiction. A list of Department facilities, excluding roadways, is presented in Table 3-1. Maps showing the District 8 boundaries within the Santa Ana Regional Water Quality Control Board, and major roads and highways are presented on Figure 3-1.

TABLE 3-1: DISTRICT 8 FACILITIES

CO	Route	PM	Name	Comments
Maintenance Stations				
RIV	74	65.7	Keen Camp Lake Hemet, Box 6 Mountain Center, CA	Maintenance
RIV	74	17.8	Elsinore 18745 Conrad Ave. Elsinore, CA	Maintenance
RIV	79	27.4	Hemet 1273 Juanita St. San Jacinto, CA	Maintenance
RIV	91	6.1	Corona 842 El Sobrante Rd. Corona, CA	Land. & Maint..
RIV	91	21.3	Riverside 1091 Everton Place Riverside, CA	Land. & Maint..
SBd	138	15.3	Cajon 14757 State Hwy 138 W. Cajon Valley, CA	Maintenance
SBd	38	20.2	Camp Angelus Hwy 38 Angelus Oaks, CA	Maintenance
SBd	38	51.9	Fawnskin Yard Rte 38 @ Stanfield Fawnskin	Maintenance
SBd	18	39.0	Lakeview	Maintenance
SBd	215	6.9	District 8 Office 464 W. 4th St. SBd., CA	Non-Maintenance
SBd	60	5.8	Ontario 1165 Philadelphia Ontario, CA	Land. & Maint..
SBd	10	20.0	Magana Ortega 451 W. Stover Ave. Bloomington, CA	Land. & Maint..
Vista Points				
RIV	243	13.8	Indian Hill Road	
SBd	38	10.7	Mill Creek	

TABLE 3-1: DISTRICT 8 FACILITIES

CO	Route	PM	Name	Comments
SBd	38	14.2	Eyes of the World	
CO	Route	PM	Name	Comments
Commercial Vehicle Enforcement Facilities				
SBd	15	R20.62	Cajon	NB
SBd	15	R20.86	Cajon	SB
Roadside Rest Areas				
SBd	10	14.3	Fontana	Closed- Storage Site
Park and Ride Facilities				
SBd	15	6.8	Baseline	
SBd	10	18.5	Cedar	
SBd	10	0.7	Montclair	
SBd	71	0.854	Chino	
SBd	10	35.4	Yucaipa	
RIV	60	3.0	County Village	
RIV	60	1.8	Van Buren	
RIV	60	11.8	Orange	
RIV	15	48.1	Limonite	
RIV	15	43.6	Four Wheel Dr Norco	
RIV	91	6.3	Corona	
RIV	15	22.2	Lake Elsinore	
RIV	15	45.6	Norco	
RIV	60	14.3	Moreno Valley	
Sand and Salt Staging Areas				
RIV	74	65.7	Keen Camp	
SBd	138	15.3	Cajon	
SBd	38	20.2	Camp Angelus	
SBd	38	51.9	Fawnskin Yard	
Snow Storage Sites				
N/A				
Toll Road and Bridge Plazas				
N/A				

Lists and maps of the Department of Water Resource Hydrologic Units located within the coverage area are presented in Appendix A of the SWMP. Specific information on Department facilities and water bodies may also be found at the following website: <http://stormwater.water-programs.com/Research.htm>

- Major City
- ▲ Rest Area
- Maintenance Station
- Park & Ride
- Vista
- Department Facility
- Department Boundary
- RWQCB Boundary
- Hydrologic Unit
- County Boundary

RB5 Central Valley Region
RB6 Lahontan Region
RB7 Colorado River Basin Region
RB8 Santa Ana Region

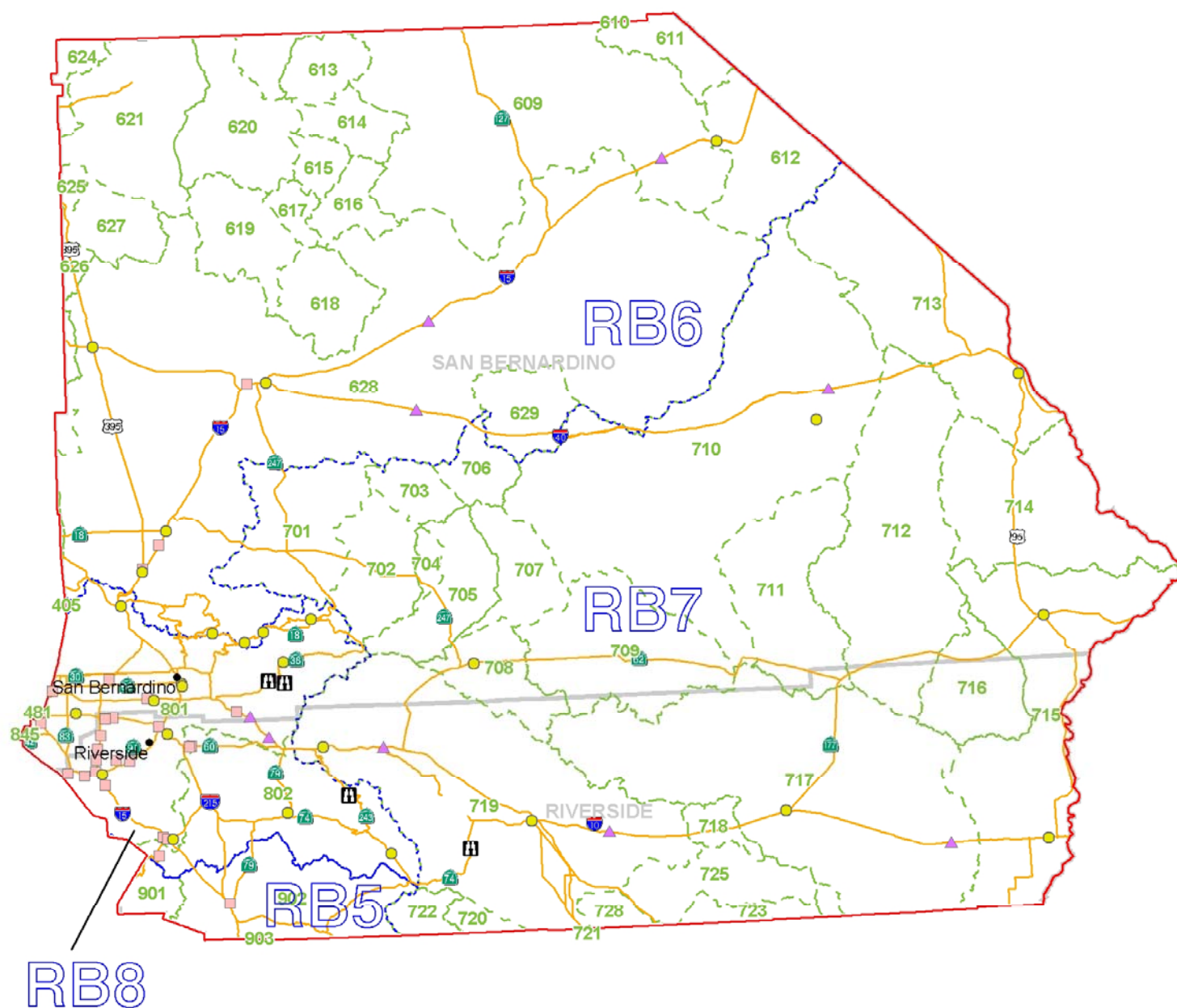
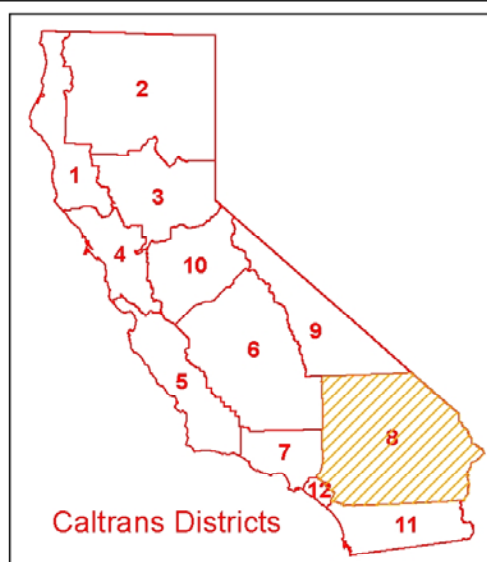


Figure 3-1
District 8 RWQCB and H.U. Boundaries

4.0 HIGH RISK AREAS

A list of high-risk areas within District 8 is presented in Table 4-1. High-risk areas are defined in the Section E.2 of the Permit to include areas such as locations where spills from Department owned right-of-ways, activities, or facilities could discharge directly to municipal or domestic water supply reservoirs or ground water percolation facilities. The Permit requires consideration of appropriate spill containment and spill prevention control measures for these areas.

In order to generate the list of high-risk municipal and domestic water supply reservoirs and ground water percolation facilities the Department first contacted known public and private water supply providers. From the information received, the Department determined which facilities were susceptible to a direct spill from a Department activity or facility. This determination was based on proximity between the water body and the Department facility, use characteristics of the facilities, and the probable spill response time.

The Department will consider and implement spill containment and prevention control measures in accordance with the processes contained in the SWMP including Section 3 for BMP identification and implementation, Section 4.4.1 for new construction projects or Section 4.4.2 for retrofit projects that are within these areas.

TABLE 4-1: HIGH RISK AREAS

Road Segment/ Facility	County	High Risk Area	Description	Comments
74	RIV	Lake Hemet	PM 62.99	Domestic Reservoir
74	RIV	Lake Hemet	PM 63.448	Domestic Reservoir
74	RIV	Lake Hemet	PM 63.546	Domestic Reservoir
74	RIV	Lake Hemet	PM 63.76	Domestic Reservoir

5.0 IMPLEMENTATION ACTIVITIES

This section presents specific project work planned for the year and indicates BMP implementation improvements. The anticipated schedule of construction and maintenance activities is subject to change. The Department will discuss with the RWQCBs new projects meeting the criteria listed below when ground disturbance takes place or when major maintenance activities are initiated during the year.

Table 5-1 includes a list of construction projects that meet one or more of the following criteria:

- The project involves greater than 5 acres of land disturbance, designated as “DSA”;
- The project affects a 303(d) listed water body within the project limits, designated as “303d”;
- The project requires a 401 Water Quality Certification or Waiver, designated as “401”;
- The project is a Supplemental Environmental Project (water quality project negotiated by the RWQCB and the Department) designated as “SEP”;
- The project is a storm water retrofit project (SWMP Section 4.4.2), designated as “Retro”;
- The project limits are within a “High Risk Area,” designated as “HR”; and
- The project is designated by a RWQCB as posing a potential threat to water quality, designated as “RB”.

Table 5-1 is intended to facilitate early RWQCB staff input in the project planning phase in accordance with Section L.8 of the Permit and Section 4.4 of the SWMP. The goal is to resolve water quality issues that may affect project funding, permitting, and scheduling. In addition, projects that require RWQCB review and approval of project SWPPPs/WPCPs in accordance with Sections H.8 and L.8 of the Permit are also covered in Tables 5-1 and 5-2.

Table 5-2 presents a list of anticipated significant maintenance projects that have the potential to impact water quality and provides early notification of such activities. It also includes region-specific issues and BMP actions/modifications based on program evaluations discussed in current and/or past Annual Report(s).

Table 5-3 summarizes various program management activities that are part of the storm water pollution prevention program.

SECTION FIVE

Regional Work Plans

TABLE 5-1: DISTRICT 8 ANTICIPATED PROJECT DEVELOPMENT/CONSTRUCTION SCHEDULE

SWMP** Category	EA #	Co.	Route	PM	Description	Water Bodies Impacted by Project	Criteria*	Anticipated Project Delivery Schedule		Construction Period	
								PA&ED Date	PS&E Date	Start Date	Completion Date
A	34040	SBD	395	4-48	const 6-ln frwy fr i-15 to sr-18; 4-ln frwy fr sr-18 to purple sage st & 4-ln expwy fr purple sage st to farmington rd		DSA	07/06			
B	47610	SBD	015	115.3-119	southbound truck climbing lane (outside)		DSA	7/03	6/04	11/04	3/06
B	4393U	SBD	015	169.9-182.1	construct nb truck descending lane and pavement rehabilitation (segment 2)	Rocky Wash	DSA, 303(d), 401	6/03	8/03	3/04	3/06
B	39470	SBD	018	66.7-66.8	replace bridge	Ivanpah Dry Lake	DSA, 401	8/04	12/05	7/06	3/07
B	46970	SBD	138	0-14	construct truck climbing lanes, widen shoulders, realign rdwy, modify intersections & rehab rdwy (project to include ea 46980g, 47450g & 47460g.)	Cushionberry Cr.	DSA	6/01	9/02	9/03	12/06
C1a	33510	SBD	138		realign intersection & widen	Horse Canyon Wash	DSA, 401	1/02	7/03	3/04	2/05
C1a	34011	SBD	138	0-15.2	widen from 2 lanes to 4 lanes with median ltl (includes 34000k)	none	DSA	11/02	7/05	6/06	8/09
C1a	34770	SBD	058	0-12.9	construct 4-lane expwy	Sheep Creek, Cajon canyon creek	DSA, 401	1/03	9/05	7/06	8/09
	40320	SBD	018	73.7-84.3	construct 2.4 m shoulders with same structural section as mainline, realign horizontal curve and construct 2 km of passing lanes	West Mannix Wash, East Mannix Wash, Mound Wash,	DSA	9/04	6/05	3/06	12/06
	47600	SBD	015	77.3-81	southbound truck climbing lane (inside ac)		DSA	6/02	12/03	5/04	10/05
A	0C120	SBD					DSA	10/04	05/06	05/07	09/08
A	0C130	SBD					DSA	04/04	11/05	06/06	10/07
	34050	SBD		48-73.5	widen to 4-lane expressway		DSA, 401				
B	46970	SBD		0-14	construct truck climbing lanes, widen shoulders, realign rdwy, modify intersections & rehab rdwy (project to include ea 46980g,	Cajon Wash	DSA	6/01	9/02	9/03	12/06

SECTION FIVE

Regional Work Plans

TABLE 5-1: DISTRICT 8 ANTICIPATED PROJECT DEVELOPMENT/CONSTRUCTION SCHEDULE

SWMP** Category	EA #	Co.	Route	PM	Description	Water Bodies Impacted by Project	Criteria*	Anticipated Project Delivery Schedule		Construction Period	
								PA&ED Date	PS&E Date	Start Date	Completion Date
					47450g & 47460g.)						
	40930	SBD	10	6.8-8.3	Install Trees, Shrubs, Ground Cover	None	DSA			7/2005	7/2006
	0C1801					Santa Ana Riv	401, 303(d)	8/03	10/05	2/06	2/07
B	32750	Riv	15	50.2- 50.3	Construct Ic	None	DSA	4/25/02	5/20/04	11/8/04	2/8/06
	20433					None	DSA	8/2/04	2/1/05	6/05	10/05
	1A270	SBD	210	0-3.9	Highway Landscaping (Segments 1 & 2)	None	DSA	7/29/04	10/4/04	4/7/05	4/29/10
	32750	SBD	235	79.4- 82.1			DSA			7/05	
A	0E150							5/4/07	5/4/09	11/4/9	11/4/10
A	44970	SBD	83	0.9-1.0	Replace Bridge (Bridge Scour Project)	Santa River	DSA, 303(d), 401	3/1/05	5/1/05	10/1/05	10/1/06

TABLE 5-1 LEGEND

* Criteria

DSA	=	Disturbed Soil Area is greater than 5 acres.
303d	=	303 (d) listed water body within project limits and affected by project
401	=	401 Certification/Waiver required
SEP	=	Supplemental Environmental Project
Retro	=	Storm Water Retrofit Project (SWMP 4.4.2)
HR	=	Project limits within High Risk Area
RB	=	RWQCB designated project as a potential threat to water quality

** SWMP Category is defined in SWMP Section 4.4.1, Table 4-3,

- (A) Beginning of Project Development Process prior to approval of the PSR
- (B) PSR approved but Environmental Documents are not final
- (C) Environmental Documents Final
- (D) Environmental Documents are final, design complete and project in the construction phase of project delivery
- (ND) SWMP category not defined. Treatment BMPs have been considered and implemented where appropriate for these projects

Note: All projects that do not require a SWPPP will require a WPCP.

SECTION FIVE

Regional Work Plans

TABLE 5-2: ANTICIPATED MAINTENANCE ACTIVITIES AND OTHER MANAGEMENT PRACTICES

County	Route	PM	Description	Criteria(2)	Start Date	Completion Date
Major Roadway Maintenance Activities (1)						
SBd	I-15	44.4-52.0	crack sealing, grader blankets, materials pass, sc3000 and cinders	303(d)	Unknown	Unknown
SBd	SR-138	26.5-35.0	chip seal	HR	Unknown	Unknown
SBd	SR-138	23.9-30.8	shoulder grading and backing, culvert cleaning	HR	Unknown	Unknown
SBd	SR-173	5.6-12.6 ok	grade restoration of dirt surface and culvert cleaning	303(d)	Unknown	Unknown
SBd	SR-173	12.6-23.1	talus/slide removal, berm restoration and culvert cleaning	HR	Unknown	Unknown
SBd	SR-173	21.4-23.1	crack seal	HR	Unknown	Unknown
SBd	SR-173	17.6-19.0	ac overlay	HR	Unknown	Unknown
SBd	SR-189	0.0-5.6	talus/slide removal, berm restoration, and culvert cleaning	HR	Unknown	Unknown
SBd	SR-189	0.0-5.6	talus/slide removal, berm restoration and culvert cleaning	HR	Unknown	Unknown
Vegetation Management and Vegetated Slope Management						
County	Route	PM	Inspection Schedule	Remediation Action Planned		
Riv	79	2-40	05/06			

TABLE 5-2 LEGEND

- (1) Significant road maintenance activities includes projects involving grade changes, additional hydraulic capacity, direct discharges to surface waters, increases in impervious surface area, or other activities identified or agreed to between RWQCB and Department staff.
- (2) Criteria:
- DSA = Disturbed Soil Area is greater than 5 acres.
 - 303d = 303 (d) listed water body within project limits and affected by project
 - 401 = 401 Certification/Waiver required
 - SEP = Supplemental Environmental Project
 - Retro = Storm Water Retrofit Project (SWMP 4.4.2)
 - HR = Project limits within High Risk Area
 - RB = RWQCB designated project as a potential threat to water quality

TABLE 5-3: GENERAL MANAGEMENT PRACTICES

Monitoring Activities
Monitoring activities will be conducted in accordance with the statewide program described in the Storm Water Monitoring Plan FY 01/02.
Construction Compliance Monitoring Program
Construction activities are inspected through the Construction Compliance Monitoring Program (CCMP). Monitoring results are provided in the annual report. In addition to the CCMP, the District Construction Division conducts internal audits of construction sites. These audits "rate" the performance of the construction sites in the same fashion as the CCMP.
Training and Public Outreach
1. Training will be provided to Project Planners and Designers on the following topics: Procedures of the Project Planning and Design Guide (PPDG), Permanent Erosion Control, Temporary Erosion Control, Storm Water Data Report Preparation, and the design of Treatment BMPs.
2. Training is an on going process for maintenance. All crews are shown the videos of (Storm Water Quality Training For Maintenance) Course # G31430. The Storm Water Coordinator gives training as needed to all maintenance crews regarding BMP's and environmental concerns. Field Supervisors train, review and document BMP's used on maintenance activities at facilities and in the field for maintenance employees. Storm water training is also given in conjunction with Hazmat training. Additional training will be provided as the new maintenance guidelines are completed. Supervisors and Superintendents receive additional Storm Water training at one of the training sessions at the Maintenance Academy in Kingvale. Maintenance Public Affairs Officers distribute Storm Water literature provided from Headquarters' Environmental Section at various Maintenance functions, job fairs, Southern Equipment Rodeo, open houses, Route 66 Rendezvous, etc.
3. Training is an on going process for the Construction Division. All construction field office personnel have been through a 6 hr class, "Storm Water Control on Construction Projects " /#G0C017. All construction field office Seniors and Resident Engineers are also to attend a "Storm Water Control on Construction Projects Management" this class is currently being scheduled. For new employees and those who were unable to attend the original classes there will be additional classes scheduled. The District Construction Division conducts training sessions in the Districts field offices and provides assistance reviews in the same fashion as the CCMP.
District Storm Water Unit staff will again participate in the Environmental Expo, to be held at Cal State San Bernardino. Staff from the District Storm Water Unit will demonstrate the effects of all-too-common activities (excessive pesticide and fertilizer use, dumping used motor oil in stormdrains, poor erosion control practice, etc) on non-point source storm water pollution using the District's Enviroscope watershed model. Hand-outs describing the Department' Storm Water Program will be distributed.
The District Storm Water Unit will also demonstrate the Enviroscope watershed model as part of the District's "Bring your Child to Work Day." The model will be displayed for children of District employees between the ages of 6 and 16.
The District Storm Water Unit, with the assistance of the District Public Affairs Unit, will seek out additional public information opportunities at County Fairs, schools, and other public events.

TABLE 5-3: GENERAL MANAGEMENT PRACTICES

Municipal Coordination

District personnel will attend meetings/workshop and coordinate as needed with other Stakeholders and the Regional Board on issues pertaining to Total Maximum Daily Loads (TMDLs) for those where the Department has been identified as a potential Stakeholder.